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APR 7 1952

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

April, 5, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date	3/28	29	30	31	4/1	2	3
Temp.range	72	78	80	80	78	73	78
F. degrees	60	66	64	64	67	70	67
Egg masses--							
Knip	SR	1	0	0	0	1	1
Pen	FR	0	0	0	0	0	2
	SNR	0	0	1	0	1	0
	FNR	3	0	0	1	1	5
Bush	SR	1	1	0	0	1	0
Pen	FR	0	0	0	0	0	0
	SNR	0	0	1	0	0	0
	FNR	0	0	0	0	2	2
Eddy	SR	0	0	0	0	1	2
Pen	FR	0	1	0	0	0	1
	SNR	2	0	0	1	1	0
	FNR	5	3	3	3	11	6

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero
Date	4/3	4/3	4/3	4/3	4/2	4/2
Catch	1.5	1.0	0.7	0.3	0.1	1.1
No. days	7	7	7	6	6	6
R. C.am.	5	5	4	0	0	0
NR. C.am.	3	9	74	0	0	0

Weekly progress report, Baumhover, 4/5/ 52 p.2.

Trap	Pineland	Upper Lacosta	Lower Lacosta	Safety Harbor
Date	4/2	4/2	4/2	4/2
Catch (qts)	0.05	0.25	0.1	0.05
No. days	8	8	8	8
R. C.am.	1	0	0	0
NR. C.am.	0	1	0	0
Remarks	1 lizard	11 Staphylinids 3 crabs considerable de- struction evident.		1 lizard

Chlordane applied to the trap supports every 2 weeks has been fairly effective in keeping down ant destruction but ineffective against staphylinids and lizards. The latter are sufficiently large that they might be kept out by placing 1/4" hardware cloth in the top opening of the trap cone (except the smaller staphylinids). However, I do not know if the hardware cloth would affect the efficiency of the trap. We would appreciate your comments. In the meantime we will set up an additional trap with the hardware cloth placed in the tip of the cone.

Several of the goats have severe lice infestations and in the past goats with severe lice infestations have not been able to survive both the screw-worm and lice infestations. Although we have a sufficient number of goats to avoid using the less thrifty goats, will you suggest a treatment to be used when the animal's life is in jeopardy.

Emergence of the 3/26/52 release was 59% for the X-rayed and 74% for the normal pupae.

Recently a study was made of radioactive screw-worms caught in traps. Unfortunately the record is not complete, but of 266 specimens retained from the collections only 10 were males.

Walter H. Baumhover

cc: E.F.Knipling
G.W. Eddy

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

APR 14 1952
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Sanibel, Florida

April 11, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date		4/4	5	6	7	8	9	10
Temp.range		68	74	63	66	73	78	80
F. degrees		78	66	58	55	56	60	62
Egg masses---								
	SR	0	0	0	0	0	0	0
Knip	FR	0	0	0	0	0	0	0
Pen	SNR	0	0	1	0	1	0	0
	FNR	0	0	1	1	0	1	0
	SR	0	0	0	0	0	0	0
Bush	FR	0	0	0	0	0	0	0
Pen	SNR	0	0	0	0	0	0	0
	FNR	0	1	1	1	0	0	0
	SR	1	2	1	1	0	0	0
Eddy	FR	1	0	0	0	0	0	1
Pen	SNR	1	4	0	0	0	5	0
	FNR	4	9	4	2	1	0	4

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero
Date	4/9	4/9	4/9	4/10	4/8	4/8
Catch	1.1	0.6	0.3	3.0	0.1	1.0
Days	6	6	6	7	6	6
R. C.am.	2	1	1	1	0	0
NR. C.am.	0	7	51	0	0	0

Weekly progress report, Baumhover, 4/11/52, p.2.

Trap	Pineland	Upper Lacosta	Lower Lacosta	Safety Harbor
Date	4/8	4/8	4/8	4/8
Catch	0.8	0.4	0.6	0.05
Days	6	6	6	6
R. C.am.	0	0	0	0
NR. C.am.	0	0	0	0
Remarks				Skirt had fallen around bait pan.

C. macellaria has shown a marked increase in activity and abundance both on Sanibel and most of the outlying traps, which will probably be reflected more in next weeks collections than in the present.

At Mr. Eddy's suggestion from 3 to 4 of the most severely lice-infested goats at each pen were treated with pyrethrin, avoiding any goats having attractive wounds.

The present occupant, an employee of Florida Public Health, of one of the Coast Guard houses on Sanibel, indicates that he expects to remain on Sanibel until January 1953.

If our plans for subsequent work on Sanibel are definite enough to warrant it, it may be advisable to obtain an option on the use of the building. My understanding is that the Coast Guard leases (\$1.00 per year) the property to Fish & Wild Life which sub-leases surplus facilities to other agencies.

affd H Baumhover

E.F. Knipling
cc. G.W. Eddy

Weekly progress report, Baumhoyer, 4/11/52, p.2.

Remarks	NR. C.sm.	R. C.sm.	Days	Catch	Date	Trap
	0	0	6	0.8	4/8	Pine Island
	0	0	6	0.4	4/8	Upper Iacosta
	0	0	6	0.6	4/8	Lower Iacosta
	0	0	6	0.05	4/8	Safety Harbor
Skirt had fallen around bait pan.						

C. macellaria has shown a marked increase in activity and abundance both on Sanibel and most of the outlying traps, which will probably be reflected more in next weeks collections than in the present.

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E.F. Knippling
cc. G.W. Bddy

W. Baumhoyer

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

April 19, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Date	4/11	12	13	14	15	16	17
Temp. range							
F. Degrees	86	78	80	72	68	62	68
	65	62	68	70	64	56	54
Egg masses--							
SR	0	0	0	0	0	0	0
Knip	FR 0	1	0	0	0	0	0
Pen	SNR 0	0	0	0	0	0	0
	FNR 1	1	0	0	0	0	0
	SR 0	0	0	0	0	0	0
Bush	FR 0	1	0	0	0	0	0
Pen	SNR 0	0	0	0	0	0	0
	FNR 0	0	0	0	1	0	0
	SR 1	2	0	0	1	0	0
Eddy	FR 3	0	1	0	0	0	0
Pen	SNR 2	0	1	1	0	0	0
	FNR 3	2	4	4	2	0	0

Moderate to fresh winds prevailed 4/13 thru 4/17, probably limiting oviposition and fly catches, but definitely discouraging servicing fly traps by boat. However, catches made on Sanibel and the mainland are as follows:

Trap	School	Junction	Captiva	Pt. Rassa	Estero
Date	4/15	4/15	4/15	4/16	4/16
Catch	2.3	0.6	1.8	0.05	0.3
Days	6	6	6	8	8
R.C.am	9	7	5	0	0
NR.C.am	2	6	65	0	0

Weekly progress report, Baumhover, 4/19/52, p.2.

Emergence of releases not previously reported are as follows:

Date shipped	3/31	4/7
Emergence X-ray	69%	56%
Emergence Normal	77%	60%
Emergence period	4/2-4	4/11-13

cc: E.F.Knipling
G.W. Eddy

Alfred H Baumhover

Weekly progress report, Hannover, 4/19/52, p.2.

Emergence of releases not previously reported are as follows:

Date shipped	3/31	4/7
Emergence X-ray	692	562
Emergence Normal	772	602
Emergence period 4/2-4	4/11-13	

cc: E.P. Knippling
G.W. Nedy

4/14/52

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

APR 26 1952

April 26, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date	4/18	19	20	21	22	23	24
Temp range	74	75	77	78	84	84	78
F.degrees	56	60	62	64	66	65	65
Egg masses--							
Knip	SR 0	0	0	0	0	0	0
Pen	FR 0	0	0	0	0	0	0
	SNR 0	0	0	0	0	0	0
	FNR 2	0	0	0	2	0	0
Bush	SR 0	0	0	0	0	0	1
Pen	FR 1	1	0	0	0	3	3
	SNR 0	0	0	0	0	0	0
	FNR 1	0	0	0	0	0	0
Eddy	SR 0	0	0	0	0	0	0
Pen	FR 0	0	0	0	2	2	2
	SNR 0	0	0	0	0	0	0
	FNR 0	1	2	0	2	0	0

Fly catches made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero
Date	4/22	4/22	4/22	4/21	4/24	4/24
Catch	4.2	2.5	3.8	1.8	3.2	3.8
Days	7	7	7	11	8	8
R.C.am.	9	26	19	0	0	0
NR.C.am.	1	11	19	0	0	0

Weekly progress report, Baumhover, 4/26/52, p.2.

Trap	Pineland	Upper Lacosta	Lower Lacosta	Safety Hbr.
Date	4/18	4/18	4/18	4/18
Catch	4.0	1.5	1.4	0.05
Days	10	10	10	10
R.C.am.	0	0	0	0
NR.C.am.	0	0	0	0

ant and staph.destr.

Emergence of the 4/14/52 shipment averaged 71% for the normal and 55% for the X-rayed.

Hippelates sp. have been sufficiently numerous at Knip Pen to solidly cover, at times, existing wounds. It seems apparent that their abundance may have a deterring effect upon young screw-worms in wounds, since the flies feed avariciously on the wound fluids and tend to dry up the wounds.

Alfred H. Baumhover

cc: E.F. Knipling
G.W. Eddy

Weekly progress report, Baumhover, 4/26/52, p.2.

Trap	Pineland	Upper Iacosta	Lower Iacosta	Safety Hbr.
Date	4/18	4/18	4/18	4/18
Catch	4.0	1.5	1.4	0.05
Days	10	10	10	10
R.C.am.	0	0	0	0
MR.C.am.	0	0	0	0

ant and atqph.destr

Emergence of the 4/14/52 shipment averaged 71% for the normal and 55% for the X-rayed.

Hippelates sp. have been sufficiently numerous at Knip Pen to solidly cover, at times, existing wounds. It seems apparent that their abundance may have a deterring effect upon young screw-worms in wounds, since the flies feed voraciously on the wound fluids and tend to dry up the wounds.

W. H. Baumhover

cc: E.T. Knippling
G.W. Bady